

CHRIS HAN

FRONT-END DEVELOPER

Skills

FRONT-END MARKUP AND STYLING

CSS3
HTML5
Sass
Styled Components

FRONT-END FRAMEWORKS & LIBRARIES

Angular 2+
MobX
NPM/Yarn
React
Redux
RxJS
Svelte
Vue
Webpack

DEVOPS

Amazon Web Services
Docker
Git
GitLab
Google Cloud Platform
Salesforce

CERTIFICATIONS

AWS Associate Developer
GCP Associate Cloud Engineer
Salesforce Platform Dev 1

UNIT & E2E TESTING

Cypress
Jasmine
Jest
Karma
React Testing Library

LANGUAGES

Java
JavaScript (ES13)
Python
Typescript

DESIGN & PROTOTYPING

Figma
Storyboard

BACK-END FRAMEWORKS & LIBRARIES

Express.js
GraphQL
MongoDB
Node.js
SQL

Employment

The Nielsen Company

Frontend Developer

Chicago, IL
Oct. 2019 to Current

Media Intelligence Explorer

- Developed features using Angular 2+ and NgRx for MIE, a data dashboard enabling clients to upload, manage, and control access to their ad performance data, and gain actionable insights through data visualizations.
- Implemented code modularization using monorepo pattern, resulting in faster build times.
- Migrated the application from on-prem to AWS, establishing the front-end cloud infrastructure.
- Followed test-driven development, achieving 85% code coverage using Karma, Jasmine, and Cypress.
- Developed a versatile Angular Material data table and grid library with dynamic column layout, sorting, filtering, master-detail views, tree data structure, row selection, editing, and custom formatting, reducing code duplication and enhancing maintainability.
- Conducted code reviews and mentored junior developers on the team.

Scenario Planner Bottom-Up

- Migrated a legacy Flash app to Angular 2+ as the lead front-end developer, reverse engineering the app's functionality through testing and inspecting API requests and responses due to lack of source code access.
- Defined the API using Swagger, mocking the backend and auto-generating TypeScript types.
- Utilized Kanban project management, Jira, and code reviews to collaborate effectively with the team.
- Delivered milestones on time, allowing for extensive testing and early deployment.

Nielsen One

- Led front-end development using React and Redux for N1 Campaign Analytics, a data dashboard enabling intuitive analysis of ad campaign performance, and N1 C.A.R.E, an app for overseeing ad studies and generating surveys.
- Designed robust API contracts using Swagger.
- Implemented test-driven development with Jest and React Testing Library, achieving 88% code coverage.
- Established CI/CD process using GitLab.
- Contributed enhancements to Nielsen's proprietary design system library using React, Storybook, Styled Components, and Lerna, improving component reusability and developer efficiency across product teams.

Accenture Technology

Application Developer Senior Analyst

Atlanta, GA
Apr. 2017 to Oct. 2019

MyCoke - Global B2B e-Commerce Platform

- Developed features using Salesforce B2B Commerce, Visualforce, and Lightning to enable Coca-Cola's retailers to manage inventories and schedule deliveries online.
- Implemented a buy-now checkout functionality, reducing abandoned carts by 5%.
- Developed a Lightning web component for interactive equipment troubleshooting, decreasing support calls by 25% and enhancing customer experience.
- Refactored cart pricing and verification logic, improving code maintainability, performance, and test coverage from 0% to 93% while reducing codebase size by 65%.
- Optimized site rendering, reducing first meaningful paint from 60 seconds to under 1 second, and added multi-language support.
- Expanded skills through certifications in AWS, GCP, and Salesforce while on the job.
- Pitched and developed a progressive web app prototype using React and MobX, integrating with existing Salesforce back-end, delivering a custom, modern front-end experience, and laying the groundwork for a future native app aligned with the client's strategic vision.

Garfield Discount Beauty Supply

Mobile Developer

Chicago, IL
Feb. 2016 to Jan. 2017

Loyalty Program Web App

- Developed a full-stack loyalty program web app using Angular.js, Node.js, Express.js, and MongoDB, serving 2,500+ active customers.
- Implemented real-time, bi-directional data synchronization between customer and cashier interfaces using WebSockets.
- Designed a scalable backend architecture for efficient data storage and retrieval of customer loyalty profiles.
- Created an intuitive and responsive user experience using Angular Material components.

Loyalty Program Mobile App v2

- Redeveloped the web app as a hybrid Android app using Ionic 2, Angular Material, and RxJS.
- Migrated backend services to Firebase, improving scalability and reducing maintenance.
- Conducted training sessions to onboard 25+ cashiers across two retail locations.
- Replaced a third-party solution, saving \$3,600 annually while providing a tailored loyalty experience.

Education

Oakton Community College

Skokie, IL

Aug. 2016 to May 2017

Continuing Education in Computer Architecture, Data Structures, and Algorithm Analysis.

RefactorU

Boulder, CO

Jan. 2016 to Apr. 2016

Continuing Education in Full-stack JavaScript Web Development

University of Illinois at Urbana-Champaign

B.S. Biological Engineering 2015

Urbana, IL

Aug. 2011 to Dec. 2015